

ABSTRACT OF THE DISCLOSURE

A laser treatment apparatus for irradiating an affected part of a patient's eye with a treatment laser beam to treat the affected part is disclosed. The laser treatment apparatus includes treatment beam irradiation section including a first irradiation optical system for irradiating the treatment beam; aiming beam irradiation section including a second irradiation optical system for irradiating an aiming beam, the second irradiation optical system being optically adjusted such that sighting of the treatment beam is completed when the aiming beam forms a predetermined shape on a reflection plane; image pickup section including an image pickup optical system for imaging an area including the affected part of the patient's eye; sighting detection section for processing an image of the aiming beam picked-up by the image pickup section to detect a sighting state; movement detection section for detecting movement in an optical axis direction of at least one of at least a part of the image pickup optical system and at least a part of the irradiation optical system; and determination section for determining a direction in which at least one of at least the part of the image pickup optical system and at least the part of the irradiation optical system is to be moved based on results detected by the sighting detection section and the movement detection section respectively.